

## PATENT ABSTRACTS OF JAPAN

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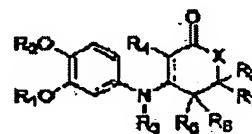
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## (54) 3-ANILINO-2-CYCLOALKENONE DERIVATIVE

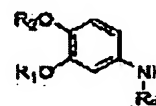
(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject new derivative having inhibitory action on phosphodiesterase IV, bronchodilatation and antiinflammatory action.

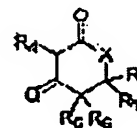
SOLUTION: This derivative is shown by formula I [R1 is a (substituted) 1-8C alkyl, a 3-7C cycloalkyl, a 6 10C bicycloalkyl or indanyl; R2 is a 1-4C alkyl; R3 is H, a (substituted) 1-5C alkyl, a 3-7C cycloalkyl or an acyl; R4 is H, a (substituted) 1-5C alkyl, a halogen, etc.; R5 to R8 are each H, a (substituted) 1-5C alkyl or a (substituted) phenyl; X is (CH<sub>2</sub>)<sub>n</sub> ((n) is 0-2 or NR<sub>11</sub> (R<sub>11</sub> is H, a 1-5C alkyl, etc.))] such as 3-(3-cyclopentyloxy-4-methoxyanilino)-2-cyclopenten-1-one. The derivative is obtained, for example, by condensing an aniline



I



II



III

derivative of formula II with a 1,3-dione of formula III through dehydration.

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#### LEGAL STATUS

[Date of request for examination]

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